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Bioactive prenylated xanthones from the young fruits and flowers of *Garcinia cowa*

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The phytochemical investigation of *Garcinia cowa* (fruit, flower, and stem bark extracts) resulted in the isolation and identification of nine compounds including six xanthones, two benzophenones, and one symmetrical dimeric dihydrobenzopyran together with 25 known compounds. The structures of these new compounds were determined on the basis of their spectroscopic data. Most of the isolated compounds were evaluated for their antibacterial activities and α-glucosidase inhibitory activity. Some compounds showed good antibacterial activity against the Gram-positive bacteria, *Bacillus subtilis* TISTR 688, *B. subtilis* TISTR 008, *Staphylococcus aureus* TISTR 1466, and methicillin-resistant *S. aureus* (MRSA) SK1 with MIC values ranging from 2-8 μg/mL. α-Mangostin and β-mangostin isolated from the flower extract showed good α-glucosidase inhibitory activity.

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